

## CLAIMS

1. A method for administering specific amounts of medicinal substances to animals, using an injection apparatus having steps comprising:
  - a. placing an animal into an area where is can be immobilized for purposes  
5 of obtaining an accurate determination as to mass;
  - b. weighing the animal to determine mass and sending this data to a controller;
  - c. computing the correct dosage of medicinal substances relating directly to the actual weight of the animal within the controller, and using this data  
10 to determine the metering requirements for the medicinal substances;
  - d. activating a pump that will dispense a metered amount of medicinal substance as the determined dosage level to an injector means;
  - e. inserting the injection means into the animal and injecting the medicinal substance into the animal;
- 15 2. A method for administering specific amounts of medicinal substances to animals, using an injection apparatus, as recited in claim 1, having the additional step of selecting a specific animal to be given a dosage of medicinal substances prior to placing the animal within the area where it can be immobilized.
- 20 3. A method for administering specific amounts of medicinal substances to animals, using an injection apparatus, as recited in claim 1, in which a separate metering means is used to restrict the amount of medicinal substance to the injector means.
4. A method for administering specific amounts of medicinal substances to animals,

using an injection apparatus, as recited in claim 1, in which the injector means is actuated manually.

5. A method for administering specific amounts of medicinal substances to animals, using an injection apparatus, as recited in claim 1, in which the injector means is actuated mechanically.

6. A method for administering specific amounts of medicinal substances to animals, using an injection apparatus, as recited in claim 1, in which the medicinal substance is stored in a reservoir, and where the contents of said reservoir are able to be received by the pump.

7. A method for administering specific amounts of medicinal substances to animals, using an injection apparatus, as recited in claim 1, in which the data for determining proper dosage as to weight is input into the controller prior to weighing the animal.

8. A method for administering specific amounts of medicinal substances to animals, using a spray apparatus having steps comprising:

- a. placing an animal into an area where it can be immobilized for purposes of obtaining an accurate determination as to mass;
- b. weighing the animal to determine mass and sending this data to a controller;
- c. computing the correct dosage of medicinal substances relating directly to the actual weight of the animal within the controller, and using this data

to determine the metering requirements for the medicinal substances;

- d. activating a pump that will dispense a metered amount of medicinal substance as the determined dosage level to a sprayer means;
- e. positioning the sprayer means so that the medicinal substance can be applied onto the animal;

9. A method for administering specific amounts of medicinal substances to animals, using a spray apparatus, as recited in claim 8, having the additional step of selecting a specific animal to be given a dosage of medicinal substances prior to placing the animal within the area where it can be immobilized.

10. A method for administering specific amounts of medicinal substances to animals, using a spray apparatus, as recited in claim 8, in which a separate metering means is used to restrict the amount of medicinal substance to the injector means.

11. A method for administering specific amounts of medicinal substances to animals, using a spray apparatus, as recited in claim 8, in which the sprayer apparatus is actuated manually.

12. A method for administering specific amounts of medicinal substances to animals, using a spray apparatus, as recited in claim 8, in which the sprayer apparatus is actuated mechanically.

13. A method for administering specific amounts of medicinal substances to animals, using a spray apparatus, as recited in claim 8, in which the medicinal substance is stored in a reservoir, and where the contents of said reservoir are able to be received by the pump.

14. A method for administering specific amounts of medicinal substances to animals, using a spray apparatus, as recited in claim 8, in which the data for determining proper dosage as to weight is input into the controller prior to weighing the animal.

5

10

15

20